



## LEARNING TRAILS AY 2024-25

GRADE: 10

TERM 2\_WEEK 3 (20<sup>th</sup> January to 24<sup>th</sup> January 2025)

ENGLISH	MATHEMATICS
<p><b>Topics:</b> Writing</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>* Communicate information, ideas and opinions.</li><li>* Use appropriate register and style for the given purpose and audience</li></ul> <p><b>Resources needed:</b></p> <p>Past paper booklet, notebooks.</p> <p><b>Homework/Assignments:</b></p> <p>0510/M/J/ 22/23</p>	<p><b>Topics:</b> Statistics</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Calculate the mode, median, mean for individual and discrete data</li><li>• Calculate an estimate of the mean for grouped and continuous data.</li><li>• Construct and use cumulative frequency diagrams.</li><li>• Estimate and interpret the quartiles (median), interquartile range and percentiles</li></ul> <p><b>Resources needed:</b></p> <p>Text book, Calculator, graph book, Past papers</p> <p><b>Homework/Assignments:</b></p> <p>Daily practice questions, weekly past papers.</p>
ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b></p> <p>الاستثناء</p> <p><b>Learning Objectives:</b></p> <p>أن يتعرف المتعلم أسوب الاستثناء أن يعرب المتعلم أسلوب الاستثناء أن يوظف المتعلم أسلوب الاستثناء في جمل مفيدة</p> <p><b>Resources needed:</b></p> <p>الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - السبورة الذكية</p> <p><b>Homework/Assignments:</b></p> <p>حل تمرينات الدرس</p>	<p><b>Topics</b></p> <p><u>التدخين والإدمان</u></p> <p><b>Learning Objectives:</b></p> <p>ان يتعرف الطالب المفردات الجديدة أن يذكر الطالب عناصر القصة أن يستنتج الطالب أضرار التدخين</p> <p><b>Resources needed:</b></p> <p><u>الكتاب المدرسي بوربوينت أنشطة تعليمية صفية</u></p> <p><b>Homework/Assignments:</b></p> <p><u>كتابة فقرة عن التدخين وآثاره السلبية على صحة الفرد وتقديم المجتمع</u></p>



PHYSICS	BIOLOGY
<p><b><u>Topics:</u></b> 6.2.2 Stars 6.2.3 The Universe</p> <p><b><u>Learning Objectives:</u></b> Define the life cycle of a star</p> <p><b><u>Resources needed:</u></b> Describe redshift as an increase in the observed wavelength of electromagnetic radiation emitted from receding stars and galaxies</p> <p><b><u>Homework/Assignments:</u></b> Solving past Paper</p>	<p><b><u>Topics:</u></b> Inheritance and Variation</p> <p><b><u>Learning Objectives:</u></b> Describe codominance as a situation in which both alleles in heterozygous organisms contribute to the phenotype Explain the inheritance of ABO blood groups: phenotypes are A, B, AB and O blood groups and alleles are <math>I^A</math>, <math>I^B</math> and <math>I^o</math> Describe a sex-linked characteristic as a feature in which the gene responsible is located on a sex chromosome and that this makes the characteristic more common in one sex than in the other Describe red-green color blindness as an example of sex linkage Use genetic diagrams to predict the results of monohybrid crosses involving codominance or sex linkage and calculate phenotypic ratios State that continuous variation and discontinuous variation Describe gene mutation as a random change in the base sequence of DNA</p> <p><b><u>Resources needed:</u></b> Textbook, PPT, Videos and simulations</p> <p><b><u>Homework/Assignment</u></b> Work sheets, past papers.</p>



CHEMISTRY	ICT
<p><b>Topics:</b> Organic Compounds</p> <p><b>Learning Objectives:</b> Name the fossil fuels: coal, natural gas and petroleum Describe the separation of petroleum into useful fractions by fractional distillation Describe how the properties of fractions obtained from petroleum change from the bottom to the top of the fractionating column Name the uses of the fractions Describe the substitution reaction of alkanes with chlorine Describe the test to distinguish between saturated and unsaturated hydrocarbons Describe the properties of alkenes in terms of addition reactions</p> <p><b>Resources needed:</b> Workbook, Textbook, ppts, videos</p> <p><b>Homework/Assignments:</b> Daily Questions, Weekly assignment, past paper questions</p>	<p><b>Topics:</b> Chapter 10 Communication – Communication constrains when using emails Practical- Web Authoring</p> <p><b>Learning Objectives:</b> Students will be aware of the netiquette and copyright laws. Students will distinguish between the protocols, SMTP, HTTP, FTP</p> <p><b>Resources needed:</b> Videos PPTS Past Paper question Text book</p> <p><b>Homework/Assignments:</b></p>
ISLAMIC ARABIC	ISLAMIC EDUCATION
<p><b>Topics:</b> السنة النبوية</p> <p><b>Learning Objectives:</b> أن يعرف السنة النبوية ويبين مكانتها أن يدلل على حجية السنة النبوية أن يوضح مواقف السنة النبوية من القرآن والسنة أن يرد على من ينكر حجية السنة النبوية</p> <p><b>Resources needed:</b> الكتاب المدرسي السبورة الذكية الشبكة العنكبوتية العرض التقديمي أوراق عمل</p>	<p><b>Topics:</b> Dressing Etiquette / Islamic Dress Code</p> <p><b>Learning Objectives:</b> Show images of different clothing styles (both Islamic and non-Islamic). Discuss how they align or differ from Islamic principles of modesty.</p> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"><li>• Pictures or flashcards depicting various clothing styles (digital or printed).</li><li>• Verses from the Quran and Hadith about modesty (e.g., Quran 24:31, Quran 33:59).</li><li>• Whiteboard and markers for group tasks.</li></ul>



<p><b><u>Homework/Assignments:</u></b> حل أنشطة الكتاب المدرسي عمل مخطط ذهني عن السنة النبوية مراجعة العرض التقديمي للدرس</p>	<p><b><u>Homework/Assignments:</u></b></p> <ul style="list-style-type: none"><li>Write a short paragraph on how Islamic dress guidelines promote respect and modesty in society. Include at least one Quranic verse or Hadith to support your answer.</li></ul>
<p><b>ACCOUNTING</b></p>	<p><b>BUSINESS STUDIES</b></p>
<p><b><u>Topics:</u></b> Incomplete records</p> <p><b><u>Learning Objectives:</u></b> To apply the concept of margin and mark u in formulating financial statements</p> <p><b><u>Resources needed:</u></b> Text book Task Sheets PPT</p> <p><b><u>Homework/Assignment:</u></b> Topical questions</p>	<p><b><u>Topics:</u></b> Economic objectives of government</p> <p><b><u>Learning Objectives:</u></b> To analyze impact of business activity on society To analyze impact of economic objectives of business.</p> <p><b><u>Resources needed:</u></b> Topical case studies E book</p> <p><b><u>Homework/Assignments:</u></b> Practice past papers</p>
<p><b>ECONOMICS</b></p>	
<p><b><u>Topics:</u></b> Foreign exchange rates Fixed and floating exchange rate Exchange rate fluctuations</p> <p><b><u>Learning Objectives:</u></b> To define a foreign exchange rate To distinguish between a fixed and a floating exchange rate To explain how a foreign exchange rate is determined in a foreign exchange market To analyze the causes of foreign exchange fluctuations Weekly test on Wednesday</p> <p><b><u>Resources needed:</u></b> PPTs Textbook Topical questions – case study</p> <p><b><u>Homework/Assignments:</u></b> MCQ and four part questions</p>	